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IS 4463 (1973): HOOKA Tobacco, Manufactured [FAD 4: Tobacco and Tobacco Products]

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IS : 4463 - 1973

Indian Standard
SPECIFICATION FOR
HOOKA TOBACCO, MANUFACTURED
(First Revision)

REAFFIRMED

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December 1973

Indian Standard
SPECIFICATION FOR
HOOKA TOBACCO, MANUFACTURED
(First Revision)

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(*Continued from page 1*)

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AMENDMENT NO. 1 SEPTEMBER 2005
TO
**IS 4463 : 1973 SPECIFICATION FOR HOOKA TOBACCO,
MANUFACTURED**

(First Revision)

(Page 4, clause 2) — Insert the following new clause 2 after 1.1 and renumber the subsequent clauses:

'2 REFERENCES

2.1 The following standards contain provisions, which through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

<i>IS No.</i>	<i>Title</i>
1070 : 1992	Reagent grade water (<i>third revision</i>)
5643 : 1999	Tobacco and tobacco products — Method of test for tobacco (<i>second revision</i>)

(Page 4, Table 1) — Substitute the following for the existing table:

**'Table 1 Requirements for Hooka Tobacco, Manufactured
(Clauses 2.4, B-5.1.1 and B-5.1.2)**

Sl No.	Characteristic	Requirement	Method of Test, Ref to Cl No. of IS 5643
(1)	(2)	(3)	(4)
i)	Loss on heating, percent by mass, <i>Max</i>	17.0	6
ii)	Nicotine content (on dry basis), percent by mass, <i>Min</i>	0.5	8
iii)	Total ash (on dry basis), percent by mass, <i>Max</i>	40.0	10
iv)	Acid insoluble ash (on dry basis), percent by mass, <i>Max</i>	8.0	11
v)	Nitrogen (on dry basis), percent by mass, <i>Min</i>	0.5	9

[*Page 5, clause 3.2(e)*] — Insert the following after clause 3.2(e):

- 'f) Any other marking required under the *Standards of Weights and Measures (Packaged Commodities) Rules, 1977* and under any other statutory requirements.'

(*Page 5, clause 3.2.1*) — Delete existing clause 3.2.1 and add the following new clause after 3.2:

‘3.3 BIS Certification Marking

The product may also be marked with the Standard Mark.

3.3.1 The use of the Standard Mark is governed by the provisions of *Bureau of Indian Standards Act, 1986* and Rules and Regulations framed thereunder. The details of the conditions under which the licence for use of the Standard Mark may be granted to manufacturers or producers may be obtained from the Bureau of Indian Standards.'

(*Page 5, clause 5.2, line 2*) — Substitute 'IS 1070' for 'IS : 1070 - 1960'.

(*Page 5, clause A-1.1*) — Substitute the following for the existing text:

‘A-1.1 Take about 10 g of the material on a large, clean white sheet of paper. Loosen the clumps of the material and examine it carefully for the presence or absence of both dead and live beetles. Examine by naked eye (corrected for abnormal vision). A hand lens (magnification $\times 10$) may also be used. In case a larger magnification is used, this shall be stated in the test report.'

Indian Standard
SPECIFICATION FOR
HOOKA TOBACCO, MANUFACTURED
(First Revision)

0. FOREWORD

0.1 This Indian Standard (First Revision) was adopted by the Indian Standards Institution on 23 August 1973, after the draft finalized by the Tobacco and Tobacco Products Sectional Committee had been approved by the Agricultural and Food Products Division Council.

0.2 Different brands of *HOOKA* tobacco are manufactured in the country varying in cost depending upon the tobacco used, the processing employed and the admixture of various ingredients like molasses, syrups, spices, perfumes, minced fruit materials and other materials required for conditioning. The quality of different brands of *HOOKA* tobacco produced in the country is very wide and it is felt necessary to lay down certain minimum requirements. The broad objective of this standard is not only to enable the Indian consumer to get a product of an assured quality, but also to help in promoting export of this product.

0.3 This standard was published in 1967. The Sectional Committee has reviewed the provisions of this standard and the present revision has been brought out with a view to making the standard more practical in the light of experience gained both by manufacturers and users. The provisions for arsenic and lead have been deleted and the various methods of test have been referred to in IS : 5643-1970* which deals with up to date methods of analysis of tobacco products.

0.4 For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS : 2-1960†. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

*Methods of test for tobacco in tobacco products.

†Rules for rounding off numerical values (*revised*).

1. SCOPE

1.1 This standard prescribes the requirements and the methods of test for *HOOKA* tobacco, manufactured.

2. REQUIREMENTS

2.1 Freedom from Tobacco Beetle Attack — The material shall be free from any tobacco beetle attack when examined by the method prescribed in Appendix A.

2.2 Harmful Substances and Additives — The material shall not contain any substances injurious to health as covered in the Dangerous Drugs Act, 1930.

2.3 Tobacco Blend — The tobacco blend shall be based on an admixture of suitable proportions of *HOOKA* tobacco varieties or grades customarily used by the manufacturers.

2.4 The material shall also conform to the requirements specified in Table 1.

TABLE 1 REQUIREMENTS FOR *HOOKA* TOBACCO, MANUFACTURED
(*Clauses 2.4, B-5.1.1 and B-5.1.2*)

SL No.	CHARACTERISTIC	REQUIREMENT	METHOD OF TEST, REF TO CL OF IS : 5643-1970*
(1)	(2)	(3)	(4)
i)	Loss on heating, percent by mass, <i>Max</i>	17·0	4
ii)	Nicotine content (on dry basis), percent by mass, <i>Min</i>	0·5	6
iii)	Total ash (on dry basis), percent by mass, <i>Max</i>	40·0	8
iv)	Acid insoluble ash (on dry basis), percent by mass, <i>Max</i>	8·0	9
v)	Nitrogen (on dry basis), percent by mass, <i>Min</i>	0·5	7

*Methods of test for tobacco in tobacco products.

3. PACKING AND MARKING

3.1 Packing — The *HOOKA* tobacco, manufactured, shall be packed in 100-g packs or its multiples as agreed to between the purchaser and the

vendor. The material may be packed in polyethylene bags or tin containers.

3.2 Marking — The following particulars shall be legibly marked or printed on each container:

- a) Description of contents,
- b) Name of the manufacturer,
- c) Brand,
- d) Date of manufacture or date code, and
- e) Net weight of contents.

3.2.1 The containers may also be marked with the ISI Certification Mark.

NOTE — The use of the ISI Certification Mark is governed by the provisions of the Indian Standards Institution (Certification Marks) Act and the Rules and Regulations made thereunder. The ISI Mark on products covered by an Indian Standard conveys the assurance that they have been produced to comply with the requirements of that standard under a well-defined system of inspection, testing and quality control which is devised and supervised by ISI and operated by the producer. ISI marked products are also continuously checked by ISI for conformity to that standard as a further safeguard. Details of conditions under which a licence for the use of the ISI Certification Mark may be granted to manufacturers or processors, may be obtained from the Indian Standards Institution.

4. SAMPLING

4.1 The method of drawing representative samples of the material and the criteria for conformity shall be as prescribed in Appendix B.

5. TESTS

5.1 Tests shall be carried out as prescribed in 2.1 and col 4 of Table I.

5.2 Quality of Reagents — Unless specified otherwise, pure chemicals and distilled water (*see IS : 1070-1960**) shall be employed in tests.

NOTE — 'Pure chemicals' shall mean chemicals that do not contain impurities which affect the results of analysis.

A P P E N D I X A *(Clause 2.1)*

EXAMINATION FOR FREEDOM FROM BEETLE ATTACK

A-1. PROCEDURE

A-1.1 Take about 10 g of the material on a large, clean white sheet of paper. Loosen the clumps of the material and examine it carefully for the presence or absence of both dead and live beetles either by visual examination or with the help of a hand lens (magnification $\times 10$).

*Specification for water, distilled quality (*revised*).

A P P E N D I X B

(Clause 4.1)

SAMPLING OF HOOKA TOBACCO, MANUFACTURED**B-1. GENERAL REQUIREMENTS FOR SAMPLING**

B-1.0 In drawing, preparing, storing and handling samples, the precautions and directions (given in **B-1.1** to **B-1.3**) shall be observed.

B-1.1 Precautions shall be taken to draw the samples so as to protect the samples, the material being sampled and the bottles for samples from loss or gain of moisture and from adventitious contamination.

B-1.2 The samples shall be placed in clean and dry bottles. The sample bottles shall be sealed air-tight after filling and marked with full details of sampling, date of manufacture, name of the manufacturer, and other important particulars of the consignment.

B-1.3 Samples shall be stored in such a manner that the conditions of storage do not unduly affect the quality of the material.

B-2. SCALE OF SAMPLING

B-2.1 All the containers in a single consignment of the material belonging to the same brand and the batch of manufacture shall constitute a lot. If the consignment is declared to consist of different brands or batches, the containers belonging to the same brand and batch shall be grouped together to constitute separate lots.

B-2.1.1 The samples shall be tested from each lot for ascertaining the conformity of the material to the requirements of this specification.

B-2.2 The number of containers to be selected from the lot shall depend on the size of the lot, and shall be in accordance with Table 2.

TABLE 2 NUMBER OF CONTAINERS TO BE SELECTED FOR SAMPLING

LOT SIZE (1)	NUMBER OF CONTAINERS TO BE SELECTED (2)	<i>n</i>
Up to 25		2
26 „ 150		3
151 „ 300		4
301 „ 500		5
501 „ 1000		7
1001 and above		10

B-2.3 These containers shall be chosen from the lot at random and for this purpose some random number table as agreed to between the purchaser and the supplier shall be used. In case such a table is not available, the following procedure shall be adopted:

Starting from any container in the lot in one order, count them as 1, 2, up to r and so on. Every r th container so counted shall be withdrawn so as to give a sample for test, where $r = N/n$, N being the number of containers in the lot and n the number of containers to be chosen. If r comes out to be a fractional number, its value shall be taken as equal to the integral part of it.

B-3. TEST SAMPLES AND REFEREE SAMPLES

B-3.1 Adequate number of packs shall be taken out at random from each selected container so as to give about 450 g of the material. The material so taken shall be mixed together and shall be divided into three equal parts. Each part shall constitute an individual sample representing the container and shall be transferred immediately to thoroughly clean and dry bottles and sealed air-tight. This shall be labelled with the particulars given under **B-1.2**.

B-3.1.1 The individual samples so obtained from the lot shall be divided into three sets in such a way that every set has an individual sample representing each selected container; one of the sets shall be marked for the purchaser, another for the vendor, and the third for the referee and all the three shall bear the seals of the purchaser and the vendor.

B-3.2 Composite Sample — From the portion of the material left over after preparing the individual samples (*see B-3.1*) approximately equal quantities of the material shall be taken for each selected container and well mixed together to form a composite sample of about 300 g of the lot.

B-3.2.1 The composite sample shall be divided into three equal parts, one for the purchaser, another for the vendor and the third for the referee and all the three shall bear the seals of the purchaser and the vendor.

B-3.3 Referee Samples — Referee samples shall consist of a set of individual samples (*see B-3.1*) and a composite sample (*see B-3.2*) marked for this purpose and shall bear the seals of the purchaser and the vendor. These shall be kept at a place agreed to between the two.

B-4. NUMBER OF TESTS

B-4.1 Tests for the general requirements (*see 2.1 to 2.3*) and for the determination of loss on heating, nicotine content and total ash shall be conducted on each of the individual samples in a set (*see B-3.1*).

B-4.2 Tests for the determination of total ash, acid insoluble ash, and nitrogen shall be conducted on the composite sample.

B-5. CRITERION FOR CONFORMITY

B-5.1 The lot shall be declared as conforming to this specification if the requirements of **B-5.1.1** and **B-5.1.2** are satisfied.

B-5.1.1 The test results on each of the individual samples for the general requirements, loss on heating, nicotine content and total ash shall satisfy the corresponding requirements given in Table 1.

B-5.1.2 The test results on the composite sample for acid insoluble ash, total ash and nitrogen shall satisfy the corresponding requirements given in Table 1.

**INDIAN STANDARDS
ON
TOBACCO AND TOBACCO PRODUCTS**

IS:

- 1577-1960 Cigarettes (from Indian tobacco)
1578-1972 Smoking mixtures (*first revision*)
1769 (Part I)-1973 Cigars and cheroots: Part I Cigars (*first revision*)
1769 (Part II)-1973 Cigars and cheroots: Part II Cheroots (*first revision*)
1925-1970 *BIDIS* (*first revision*)
2111-1962 Snuff
2344-1973 Chewing tobacco, *ZARDA* flake type (*first revision*)
3041-1973 Chewing tobacco, manufactured minced type (*first revision*)
4163-1973 *HOOKA* tobacco, manufactured (*first revision*)
4469-1967 Code of practice for construction of flue-curing tobacco barns
4698-1968 Code of practice for seaworthy packing of unmanufactured cigarette type tobacco
5643-1970 Methods of test for tobacco in tobacco products

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